## PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHOR	ITY		•			
To:			DOT			
100011	·		PCT			
22/F, Great Eagle Centre, 23	Harbour					
Road, Wanchai, HONG KONG,		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
CHINA PATENT AGENT(H.						
WANG,Zhongzhong		(PCT Rule 43 bis.1)				
		Date of mailing				
			007 (0 0 - 0 2 - 2 0 0 7)			
Applicant's or senti- 51 6		<del></del>	007 (0 8 • 0 2 • 2007)			
Applicant's or agent's file reference		FOR FURTHER A	CTION			
FPEL06150026			see paragraph 2 below			
International application No.	International filing da	<u> </u>	Priority date (day/month/year)			
PCT/CN2006/000829	27 April 2006	(27.04.2006)				
International Patent Classification (IPC) or bo	oth national classification	on and IPC	<u> </u>			
	G06F 17/3	0 (2006.01) i				
Applicant						
	INTEL CORP	ORATION et al				
1. This opinion contains indications relatin	g to the following item	s:				
Box No. I Basis of the opinion						
☐ Box No.II Priority ☐ Box No. III Non-establishment	of oninion with man-1	4				
	= and industrial applicability					
l — *		i)with regard to novelt	V. inventive step or industrial applicability:			
Box No. V Reasoned statement under Rule 43bis.1(a)(i)with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No.VI Certain documents cited						
Box No. VII Certain defects in the international application  Box No. VIII Certain observations on the international application						
Box No.VIII Certain observations on the international application						
2. FURTHER ACTION						
If a demand for international preliminary	examination is made,	this opinion will be	considered to be a written opinion of the			
international Fielinmary Examining Au	INONIV ("IPEA") exce	ent that this does not	t apply where the applicant chooses an national Bureau under Rule 66.1 bis(b) that			
written opinions of this International Search	ching Authority will no	t be so considered.	national Bureau under Rule 66.1 bis(b) that			
in Ex a written reply together, where appr	opriate, with amendme	ents, before the expirat	, the applicant is invited to submit to the			
of Form PCT/ISA/220 or before the expira	tion of 22 months from	the priority date, whi	chever expires later.			
For further options, see Form PCT/ISA/22	0.					
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3. For further details, see notes to Form PCT/IS	A /000					
5.1 of farmer details, see notes to Politi PC 1/15	A/220.					
	Date of completion of t	his opinion	Authorized officer			
The State Intellectual Property Office, the	24 1	(24.01.000=	些阵			
P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088	24 January 2007	(24.01.2007)	CHEN Ruyan			
Facsimile No. 86-10-62019451						
Form PCT/ISA/237(cover sheet)(April 2005)			Telephone No. (86=10)-62085025			

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000829

Bo	x No	I B	Basis of the opinion	
1.	Wit	h regard	rd to the language, this opinion has been established on the basis of:	
		a tran	nternational application in the language in which it was filed install application into, shed for the purposes of international search (Rules 12.3(a) and 23.1(b)).	which is the language of a translation
2.	With	regard	d to any nucleotide and/or amino acid sequence disclosed in the international a this opinion has been established on the basis of:	pplication and necessary to the claimed
	a.	☐ as	of material sequence listing able(s) related to the sequence listing	
	b.	on on	t of material n paper electronic form	
		con	f filing/furnishing ontained in the international application as filed led together with the international application in electronic form armished subsequently to this Authority for the purposes of search	
3. [	J	mmsne	tion, in the case that more than one version or copy of a sequence listing and/or ed, the required statements that the information in the subsequent or additiotion as filed or does not go beyond the application as filed, as appropriate, were fu	nal copies is identical to that in the
4.	Addi	ional c	comments:	
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m P	·	A /237/	(Box No. I) (April 2005)	

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000829

Statement:		
Novelty (N)	Claims 1-20	YES
	Claims none	NO
Inventive step (IS)	Claims 1-20	YES
	Claims none	NO NO
Industrial applicability (IA)	Claims 1-20	YES
	Claims none	NO NO

2. Citations and explanations

(1) Reference is made to the following documents:

D1: US 6665669 B2

D2: US 6816867 B2

(2) The present invention discloses a system based method fot content based-partitioning and mining.

(3) D1 discloses the methods and apparatus and data structures useful for mining databases for frequent items. The invention uses a frequent pattern tree to represent the contents of a database in a manner which is conducive to data mining. The frequent pattern tree tends to be smaller than the original database. A frequent pattern tree can be mined recursively. The frequent pattern tree and associated methods and apparatus of this invention is relatively fast, efficient and scalable and can be used to mine both long and short frequent patterns.

D2 discloses a data mining tool, the data mining tool is described that includes a data structure populator that stores one or more first sets of data selected for querying into a first data structure. The tool also has a query builder that builds at least a first query based, at least in part, on one or more query parameters. Also included in the tool is a query manager that interrogates the first data structure with the first query. The one or more first sets of data are based, at least in part, on experiments using both synthesized probe arrays and spotted probe arrays.

(4) It is obvious that the technical features related to "probe structure" and/or "content-based partitioning logic" in claims 1,10 and 15 aren't disclosed by D1 or D2, and further the technical solutions claimed are not obvious to a person skilled in the art on the basis of D1,D2 or their combination. Thus, claims 1,10 and 15 have novelty under PCT Article 33(2), and have inventive step under PCT Article 33(3).

Claims 2-9 are dependent on claim 1, claims 11-14 are dependent on claim 10 and claims 16-20 are dependent on claim 15, therefore, claims 2-9,11-14,16-20 also meet the requirements of the PCT with respect to novelty and inventive step.

Claims 1-20 have industrial applicability under PCT Article 33(4), because the technical solutions claimed can be made or used in the industry.